

## **PROGRAMMABLE AUDIO SYSTEM FOR AUTOMOTIVE VEHICLES**

### **Abstract of the Disclosure**

A system and method is disclosed for improving the audible output of a vehicle radio based upon the particular type of vehicle in which the radio is installed. A vehicle radio includes a data table, which is accessible by a radio controller. The data table stores a plurality of unique sets of alignment parameters. Each set of alignment parameters corresponds to a vehicle model in which the radio may be installed. The alignment settings are used to adjust various signal-processing techniques – such as “blend”, “roll-off”, “noise blank”, etc. – as well as other parameters. The radio controller receives information indicative of the type of vehicle in which the radio is installed. The radio controller accesses the data table and applies the alignment settings that correspond to the type of vehicle. Listener-specific preferences can also be stored in the data table. The vehicle identification information can be provided to the radio controller through a variety of mechanisms, including an external vehicle diagnostic device, an internal vehicle body controller, or a radio face place.